

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase Product code : 12676955

|                       |                           |                             |                         |
|-----------------------|---------------------------|-----------------------------|-------------------------|
| Frame                 | : 213/5JM                 | Locked rotor time           | : 39s (cold) 22s (hot)  |
| Output                | : 10 HP (7.5 kW)          | Temperature rise            | : 80 K                  |
| Poles                 | : 2                       | Duty cycle                  | : Cont.(S1)             |
| Frequency             | : 60 Hz                   | Ambient temperature         | : -20°C to +40°C        |
| Rated voltage         | : 575 V                   | Altitude                    | : 1000 m.a.s.l.         |
| Rated current         | : 9.92 A                  | Cooling method              | : IC01 - ODP            |
| L. R. Amperes         | : 67.5 A                  | Mounting                    | : F-1                   |
| LRC                   | : 6.8x(Code H)            | Rotation <sup>1</sup>       | : Both (CW and CCW)     |
| No load current       | : 4.48 A                  | Noise level <sup>2</sup>    | : 66.0 dB(A)            |
| Rated speed           | : 3535 rpm                | Vibration                   | : A                     |
| Slip                  | : 1.81 %                  | Starting method             | : Direct On Line        |
| Rated torque          | : 2 kgfm                  | Approx. weight <sup>3</sup> | : 52.9 kg               |
| Locked rotor torque   | : 200 %                   | Painting plan               | : 207N (ISO 12944 - C2) |
| Breakdown torque      | : 280 %                   | Color                       | : Munsell N 1 - Matte   |
| Insulation class      | : F                       | Design                      | : B                     |
| Service factor        | : 1.15                    |                             |                         |
| Moment of inertia (J) | : 0.0196 kgm <sup>2</sup> |                             |                         |

|                |      |      |      |                  |           |
|----------------|------|------|------|------------------|-----------|
| Output         | 50%  | 75%  | 100% | Foundation loads |           |
| Efficiency (%) | 88.5 | 89.5 | 89.5 | Max. traction    | : 80 kgf  |
| Power Factor   | 0.68 | 0.80 | 0.85 | Max. compression | : 132 kgf |

|                      |   |                      |                      |
|----------------------|---|----------------------|----------------------|
|                      |   | <u>Drive end</u>     | <u>Non drive end</u> |
| Bearing type         | : | 6209 ZZ              | 6206 ZZ              |
| Sealing              | : | Without Bearing Seal | Without Bearing Seal |
| Lubrication interval | : | -                    | -                    |
| Lubricant amount     | : | -                    | -                    |
| Lubricant type       | : | Mobil Polyrex EM     |                      |

### Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

| Rev.         | Changes Summary | Performed              | Checked | Date |
|--------------|-----------------|------------------------|---------|------|
|              |                 |                        |         |      |
| Performed by |                 | Page Revision<br>1 / 2 |         |      |
| Checked by   |                 |                        |         |      |
| Date         | 26/09/2026      |                        |         |      |

# LOAD PERFORMANCE CURVE

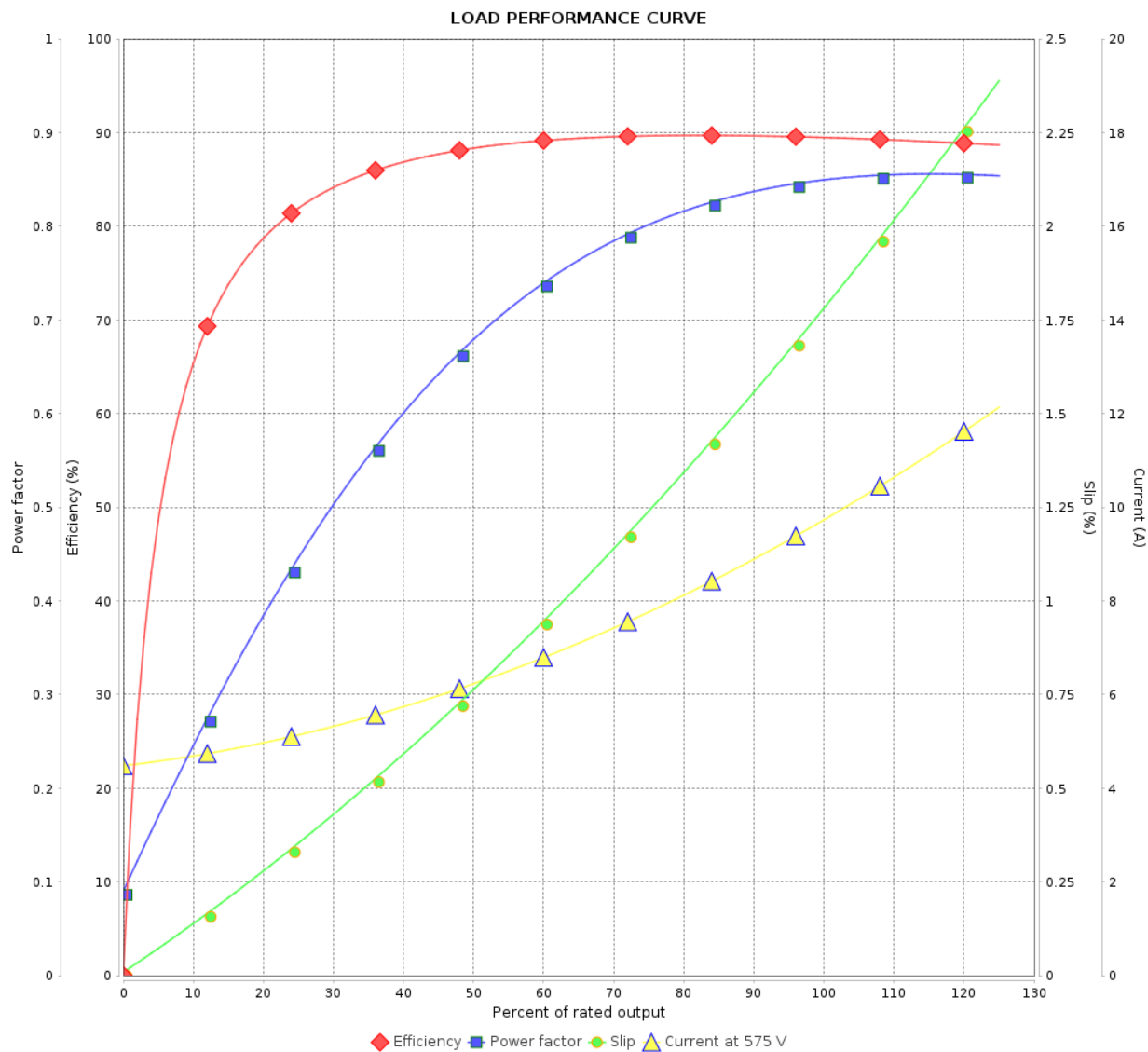
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA  
Premium Efficiency Three-Phase

Product code : 12676955



Performance : 575 V 60 Hz 2P

Rated current : 9.92 A  
LRC : 6.8  
Rated torque : 2 kgfm  
Locked rotor torque : 200 %  
Breakdown torque : 280 %  
Rated speed : 3535 rpm

Moment of inertia (J) : 0.0196 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : B

| Rev.         | Changes Summary |  | Performed | Checked       | Date     |
|--------------|-----------------|--|-----------|---------------|----------|
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